

Appendix table 1—Nonfarm jobs, by industry and BEA region, 1996

Industry and region	Nonmetro	Metro	Change from previous year, 1995-96		Annual average change since recession, 1991-96	
			Nonmetro	Metro	Nonmetro	Metro
	—Thousands—		—Percent—			
Total nonfarm jobs	25,350	124,030	1.5	2.1	2.3	1.9
By industry:						
Agricultural services, forestry, fisheries, other ¹	479	1,404	4.1	5.9	4.0	4.7
Mining	358	522	-2.2	.1	3.1	-2.8
Construction	1,529	6,589	4.6	4.9	4.7	3.3
Manufacturing	4,419	14,812	-1.0	.4	1.4	-.1
Transportation and public utilities	1,096	6,114	1.3	2.1	1.8	1.8
Wholesale trade	855	6,158	.4	1.2	1.4	1.1
Retail trade	4,679	21,025	2.0	1.9	3.1	2.3
Finance, insurance, and real estate	1,264	10,019	2.4	2.1	2.8	1.2
Services	6,325	40,045	2.7	3.3	3.3	3.2
Government and government enterprises ²	4,345	17,343	1.0	.1	1.0	.3
Federal civilian	367	2,511	-.6	-2.4	-1.1	-1.6
Federal military	388	1,857	-2.6	-1.8	-3.6	-3.4
State and local	3,590	12,975	1.5	.8	1.9	1.3
State	990	3,768	.8	-.3	1.6	1.2
Local	2,600	9,207	1.8	1.3	2.0	1.3
By BEA region:						
New England	1,135	6,993	1.4	1.7	1.7	1.5
Mideast	1,776	22,743	.6	.9	1.1	.6
Great Lakes	4,320	20,571	1.5	1.6	2.5	1.9
Plains	3,924	7,367	1.8	2.1	2.4	2.3
Southeast	8,397	27,025	1.2	2.5	2.3	2.7
Southwest	2,357	13,204	1.7	3.0	2.2	3.0
Rocky Mountain	1,550	3,600	2.7	3.5	4.1	3.9
Far West	1,890	22,527	2.1	2.6	2.4	1.2

¹Other are employees of foreign embassies working in the United States.

²Government enterprises are government agencies that cover a substantial portion of their operating costs by selling goods and services to the public and that maintain their own separate accounts—for example, the Postal Service.

Source: Calculated by ERS using data from the Bureau of Economic Analysis.

Appendix Tables

Appendix table 2—Earnings per nonfarm job, by industry and BEA region, 1996

Industry and region	Nonmetro	Metro	Change from previous year, 1995-96		Annual average change since recession, 1991-96	
			Nonmetro	Metro	Nonmetro	Metro
	Dollars		Percent			
Earnings per nonfarm job	22,493	31,697	0.1	0.8	0.3	0.7
By industry:						
Agricultural services, forestry, fisheries, other ¹	13,529	16,596	-.4	0	-2.5	-1.7
Mining	38,584	48,318	.3	2.0	.4	1.9
Construction	24,450	32,996	-1.0	-.3	-.3	-.5
Manufacturing	31,180	46,110	1.0	.5	.9	1.3
Transportation and public utilities	34,813	44,299	0	.1	.3	.7
Wholesale trade	27,563	42,376	1.4	1.5	.8	.9
Retail trade	13,379	16,778	-.6	-.1	-.6	-.2
Finance, insurance, and real estate	16,826	35,373	.4	3.8	2.3	4.5
Services	18,570	29,038	.8	1.1	.9	.6
Government and government enterprises ²	25,704	33,485	.5	.4	.5	.6
Federal civilian	40,026	46,787	2.0	1.3	1.6	1.6
Federal military	17,120	22,720	-.5	.1	.8	1.1
State and local	25,168	32,451	.3	.3	.2	.3
State	28,114	32,527	.7	.4	-.2	-.1
Local	24,046	32,420	.2	.3	.4	.4
By BEA region:						
New England	23,768	34,124	0	1.1	-.3	.7
Mideast	23,941	36,449	.1	1.1	-.1	1.0
Great Lakes	23,424	31,962	0	.3	.5	1.1
Plains	20,874	29,566	.4	1.2	.6	.9
Southeast	22,475	28,210	.2	.6	.5	.8
Southwest	21,108	30,029	.2	1.2	-.2	.8
Rocky Mountain	21,494	28,143	.1	1.3	.1	1.1
Far West	24,230	32,331	-.5	.7	-.3	.3

Note: Change from previous years is in real 1996 dollars. Previous years' earnings were converted to 1996 dollars using the chain-type personal consumption expenditures price index.

¹Other are employees of foreign embassies working in the United States.

²Government enterprises are government agencies that cover a substantial portion of their operating costs by selling goods and services to the public and that maintain their own separate accounts—for example, the Postal Service.

Source: Calculated by ERS using data from the Bureau of Economic Analysis.

Appendix table 3—Real earnings per nonfarm job, 1969-96

Year	United States	Nonmetro	Metro	Metro-nonmetro earnings gap ¹	Ratio of nonmetro to metro earnings ²	Change from previous year	
						Nonmetro	Metro
1996 dollars					Percent		
1969	27,087	21,580	28,249	6,669	76.4	NA	NA
1970	27,423	21,886	28,592	6,706	76.5	1.4	1.2
1971	27,900	22,330	29,090	6,759	76.8	2.0	1.7
1972	28,757	23,049	29,986	6,936	76.9	3.2	3.1
1973	28,926	23,399	30,110	6,710	77.7	1.5	.4
1974	28,187	23,055	29,287	6,231	78.7	-1.5	-2.7
1975	28,108	23,263	29,152	5,888	79.8	.9	-.5
1976	28,945	24,220	29,978	5,758	80.8	4.1	2.8
1977	29,175	24,262	30,248	5,986	80.2	.2	.9
1978	29,407	24,583	30,453	5,870	80.7	1.3	.7
1979	29,162	24,440	30,176	5,737	81.0	-.6	-.9
1980	28,486	23,742	29,493	5,751	80.5	-2.9	-2.3
1981	28,252	23,401	29,275	5,874	79.9	-1.4	-.7
1982	28,146	23,033	29,218	6,186	78.8	-1.6	-.2
1983	28,399	23,116	29,499	6,383	78.4	.4	1.0
1984	28,950	23,571	30,056	6,485	78.4	2.0	1.9
1985	29,174	23,515	30,315	6,800	77.6	-.2	.9
1986	29,419	23,413	30,611	7,198	76.5	-.4	1.0
1987	29,638	23,130	30,926	7,796	74.8	-1.2	1.0
1988	29,821	23,086	31,143	8,058	74.1	-.2	.7
1989	29,517	22,789	30,839	8,050	73.9	-1.3	-1.0
1990	29,457	22,464	30,838	8,375	72.8	-1.4	0
1991	29,175	22,207	30,567	8,360	72.6	-1.1	-.9
1992	29,977	22,589	31,471	8,883	71.8	1.7	3.0
1993	29,974	22,651	31,465	8,814	72.0	.3	0
1994	29,893	22,632	31,385	8,753	72.1	-.1	-.3
1995	29,927	22,467	31,460	8,993	71.4	-.7	.2
1996	30,135	22,493	31,697	9,204	71.0	.1	.8

Note: Earlier years' earnings were converted to 1996 dollars using the chain-type personal consumption expenditures price index.

NA = Not applicable. No previous year in the data set from which to compute change.

¹Earnings gap is the number of 1996 dollars by which metro earnings per nonfarm job exceed nonmetro earnings per nonfarm job.

²Earnings ratio is the percentage nonmetro earnings per nonfarm job are of metro earnings per nonfarm job.

Source: Calculated by ERS using data from the Bureau of Economic Analysis.

Appendix Tables

Appendix table 4—Share of total State employment, by farm and farm-related industry, 1995

State	Total farm and farm-related industries	Total farm and farm-related industries	Farm production, agricultural services, forestry, and fishing	Agricultural inputs	Agricultural processing and marketing	Agricultural wholesale and retail trade	Indirect agribusiness
	Jobs		Percentage of total employment				
United States	22,482,634	15.2	2.4	0.3	2.2	10.0	0.4
Alabama	442,666	19.5	2.9	.4	5.2	10.4	.5
Alaska	53,168	15.1	2.9	.1	2.4	9.7	—
Arizona	294,850	13.3	1.2	.2	.6	11.2	.1
Arkansas	280,004	20.8	5.0	.6	5.4	8.9	.9
California	2,424,154	14.3	2.0	.2	2.0	9.8	.3
Colorado	342,758	14.2	1.8	.2	1.4	10.6	.2
Connecticut	218,144	11.1	.7	.1	.8	9.2	.3
Delaware	60,508	13.8	1.1	.2	2.4	9.7	.4
Florida	1,116,229	15.1	1.7	.2	1.1	11.9	.2
Georgia	737,157	17.6	1.8	.3	4.3	10.6	.6
Hawaii	112,718	15.6	1.8	.1	1.4	12.3	—
Idaho	138,813	21.3	6.5	1.0	3.1	10.3	.3
Illinois	943,491	13.8	1.7	.6	1.7	9.3	.5
Indiana	501,960	15.1	2.6	.4	1.5	10.2	.5
Iowa	408,683	23.2	7.5	1.7	3.9	9.7	.5
Kansas	299,113	18.9	5.3	.9	2.7	9.6	.4
Kentucky	416,082	20.4	5.9	.3	3.1	10.5	.5
Louisiana	331,862	15.3	2.3	.4	1.7	10.5	.5
Maine	115,678	16.8	2.4	.1	3.3	10.7	.3
Maryland	337,803	12.2	1.1	.1	1.0	9.9	.2
Massachusetts	473,169	12.5	.5	—	1.4	10.2	.4
Michigan	692,627	13.5	1.8	.2	.9	10.3	.3
Minnesota	480,032	16.0	3.9	.6	1.9	9.2	.4
Mississippi	258,764	19.2	4.4	.5	4.6	9.2	.5
Missouri	532,477	16.8	4.2	.5	2.3	9.4	.4
Montana	94,370	19.4	6.3	.6	.8	11.5	.2
Nebraska	238,913	22.0	6.6	1.6	3.9	9.7	.2
Nevada	97,110	10.6	.7	.1	.4	9.4	.1
New Hampshire	91,907	13.5	.9	.1	1.3	10.9	.4
New Jersey	529,999	12.0	.5	.1	1.6	9.3	.5
New Mexico	126,403	14.7	2.7	.1	.8	10.8	.3
New York	1,173,532	12.2	.9	.1	1.6	9.3	.3
North Carolina	863,532	19.9	2.5	.3	6.7	9.7	.6
North Dakota	97,156	23.6	9.8	1.6	2.2	10.0	—
Ohio	875,075	13.9	1.7	.2	1.1	10.4	.5
Oklahoma	301,933	17.1	5.1	.3	1.5	10.0	.2
Oregon	316,674	17.3	4.6	.4	1.5	10.5	.3
Pennsylvania	931,703	14.4	1.4	.2	2.5	10.0	.4
Rhode Island	71,181	13.3	.5	.1	1.9	10.4	.5
South Carolina	386,248	19.1	1.8	.2	5.6	10.8	.8
South Dakota	105,845	22.9	8.7	1.0	2.9	10.0	.3
Tennessee	561,103	17.9	3.3	.3	3.6	10.2	.5
Texas	1,566,266	15.0	2.8	.3	1.7	10.0	.3
Utah	152,959	13.4	1.7	.2	1.6	9.7	.3
Vermont	60,042	16.7	3.1	.2	1.6	11.5	.3
Virginia	561,633	14.6	2.0	.2	2.6	9.4	.4
Washington	500,689	16.2	3.3	.3	1.6	10.6	.4
West Virginia	121,707	14.9	3.0	.2	1.3	10.2	.2
Wisconsin	552,107	17.9	3.9	.6	2.5	10.1	.8
Wyoming	50,419	17.0	4.7	.4	.6	10.3	1.0

— = Less than 0.1 percent.

Source: Calculated by ERS using Department of Commerce data.

Appendix table 5—Share of total nonmetro employment, by farm and farm-related industry, 1995

State	Total farm and farm-related industries	Total farm and farm-related industries	Farm production, agricultural services, forestry, and fishing	Agricultural inputs	Agricultural processing and marketing	Agricultural wholesale and retail trade	Indirect agribusiness
	Jobs		Percentage of total employment				
United States	6,135,778	23.4	7.6	0.8	4.4	10.0	0.5
Alabama	188,017	29.8	6.2	.8	12.3	9.4	1.1
Alaska	33,803	18.4	4.9	.2	4.2	9.1	—
Arizona	42,375	16.5	2.4	.2	.3	13.6	.1
Arkansas	163,364	25.4	7.9	1.0	7.1	8.8	.6
California	98,799	22.0	8.0	.6	1.5	11.7	.2
Colorado	91,360	21.4	6.0	.5	1.9	12.9	.1
Connecticut	19,882	15.5	1.8	.1	2.4	10.5	.7
Delaware	18,793	29.1	3.7	.9	10.5	14.1	—
Florida	90,144	22.8	7.2	.6	1.9	12.6	.6
Georgia	288,869	25.5	5.0	.7	9.5	9.6	.8
Hawaii	38,392	22.6	5.6	.1	2.3	14.6	—
Idaho	103,115	24.8	8.8	1.3	3.5	10.7	.5
Illinois	205,786	22.1	7.8	1.5	2.7	9.6	.6
Indiana	163,526	19.3	5.9	.8	2.3	9.5	.8
Iowa	263,374	29.0	12.5	2.2	4.6	9.2	.6
Kansas	178,046	26.4	10.8	1.5	4.5	9.2	.4
Kentucky	227,823	25.3	10.2	.5	4.5	9.7	.5
Louisiana	86,955	21.0	7.2	.9	3.6	8.5	.8
Maine	64,562	17.5	3.4	.1	3.0	10.6	.4
Maryland	38,676	20.4	4.3	.4	3.4	12.0	.3
Massachusetts	7,472	15.2	2.7	.1	1.1	10.7	.6
Michigan	140,798	18.7	5.3	.3	1.1	11.6	.5
Minnesota	212,415	26.4	10.8	1.5	4.0	9.7	.4
Mississippi	195,072	22.6	6.2	.7	6.3	8.8	.6
Missouri	225,863	26.1	11.4	1.0	4.3	9.1	.3
Montana	74,221	20.5	7.8	.5	.7	11.2	.3
Nebraska	151,958	31.5	13.7	2.7	5.4	9.6	.1
Nevada	16,081	12.9	2.9	.3	.2	9.4	.1
New Hampshire	36,400	13.7	1.3	.1	1.2	10.8	.3
New Jersey	NA						
New Mexico	57,491	18.5	5.4	.2	1.0	11.3	.6
New York	116,921	17.0	4.0	.3	1.6	10.7	.3
North Carolina	328,243	27.5	5.1	.5	11.5	9.8	.7
North Dakota	64,726	30.1	16.3	2.1	2.6	9.1	—
Ohio	200,041	19.6	5.5	.7	2.4	10.2	.9
Oklahoma	149,566	24.7	11.5	.7	2.8	9.5	.2
Oregon	110,469	23.0	8.6	.7	1.9	11.4	.4
Pennsylvania	155,449	18.9	3.8	.3	3.9	10.5	.5
Rhode Island	5,967	14.2	1.1	—	.3	12.8	.1
South Carolina	127,868	25.7	3.7	.3	10.4	10.4	.9
South Dakota	75,928	26.5	12.8	1.4	3.0	9.2	.1
Tennessee	213,809	25.2	8.0	.5	7.1	8.9	.8
Texas	364,515	26.9	13.5	.9	3.3	9.0	.3
Utah	44,348	19.8	5.7	.4	2.4	10.8	.4
Vermont	41,048	17.4	3.6	.2	1.5	12.0	.2
Virginia	169,412	24.2	6.3	.5	7.5	9.2	.8
Washington	117,228	26.0	10.2	.8	2.3	11.8	.9
West Virginia	67,299	15.9	4.5	.2	1.6	9.6	.1
Wisconsin	219,897	24.9	9.1	1.3	3.3	10.4	.9
Wyoming	39,612	19.2	6.0	.5	.8	10.5	1.4

— = Less than 0.1 percent.

NA = Not applicable. New Jersey has no nonmetro counties.

Source: Calculated by ERS using Department of Commerce data.

Appendix Tables

Appendix table 6—The Food and Fiber System and the domestic economy, 1987-97

Item	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997
Employment:	Millions of jobs										
Total food and fiber	23.7	24.7	25.1	24.9	24.4	23.7	24.0	24.5	24.8	24.7	24.3
Share of domestic labor force	Percent										
	19.8	20.2	20.3	19.8	19.3	18.5	18.6	18.7	18.7	18.4	17.8
Farm sector	Millions of jobs										
Nonfarm sectors	1.9	2.2	2.1	2.0	2.0	1.9	1.8	1.9	1.9	1.9	1.8
Food processing	21.8	22.5	23.0	23.0	22.4	21.8	22.2	22.7	22.9	22.7	22.6
Manufacturing	1.6	1.6	1.7	1.7	1.6	1.6	1.6	1.5	1.5	1.4	1.4
Transportation, trade, and retailing	2.7	2.7	2.9	2.8	2.7	2.5	2.5	2.5	2.5	2.5	2.4
Eating	8.0	8.2	8.4	8.3	8.2	8.1	8.2	8.5	8.7	8.7	8.8
All other	6.1	6.4	6.4	6.5	6.4	6.2	6.4	6.6	6.6	6.5	6.5
Total domestic economy	3.4	3.5	3.6	3.6	3.5	3.4	3.5	3.6	3.6	3.6	3.5
Value added by activity:	Billion dollars										
Total Food and Fiber	753.0	805.6	849.6	891.7	903.2	937.3	956.7	1,006.1	1,025.8	1,055.8	1,078.1
Share of domestic economy	Percent										
	16.1	16.0	15.6	15.5	15.3	15.0	14.6	14.5	14.1	13.8	13.3
Farm sector	Billion dollars										
Nonfarm sectors	49.5	54.0	56.9	60.6	56.5	61.7	52.8	57.0	53.9	66.1	60.6
Food processing	703.6	751.6	792.5	831.0	846.6	875.6	903.9	949.0	971.9	989.7	1,017.4
Manufacturing	92.8	98.8	105.0	110.3	113.8	116.4	120.3	123.1	123.0	118.9	124.7
Transportation, trade, and retailing	120.2	122.7	133.0	133.4	134.6	139.6	140.1	145.4	145.1	146.7	147.4
Eating	240.6	257.1	265.7	278.1	280.9	286.5	294.5	308.7	320.4	326.9	338.8
All other	102.0	109.5	112.4	119.5	120.3	121.2	128.3	134.3	136.1	136.5	139.4
Total domestic economy	148.0	163.5	176.5	189.7	197.0	211.8	220.7	237.5	247.3	260.7	267.1
	4,692.3	5,049.6	5,438.7	5,743.8	5,916.7	6,244.4	6,558.1	6,947.0	7,269.6	7,661.6	8,110.9

Source: Calculated by ERS from supporting ERS economic models using data from the Bureau of Economic Analysis, Bureau of Labor Statistics, and Bureau of the Census.

Appendix table 7—U.S. economic activity triggered by agricultural trade

Item	1995 total	1996 total	1997		
			Total	Bulk	Other
Billion dollars					
Economic activity generated by agricultural exports	132.9	139.9	130.8	39.9	90.9
Exports	55.8	60.4	57.3	22.0	35.3
Farm	23.4	26.1	21.5	16.9	4.6
Nonfarm ¹	32.4	34.3	35.8	5.1	30.7
Supporting activities	77.1	79.5	73.5	17.9	55.6
Farm	20.0	21.9	16.6	1.1	15.5
Food processing	6.3	6.7	6.2	0.1	6.1
Other manufacturing	15.5	15.5	16.2	5.1	11.1
Trade and transportation	9.8	9.7	10.9	2.9	8.0
Other services	25.5	25.6	23.6	8.8	14.8
Percent					
Nonfarm share	74	73	77	94	72
Ratio					
Multiplier of additional business activity generated by \$1 of exports	1.38	1.32	1.28	.81	1.57
Imports	30.0	33.6	36.3	1.8	34.5
Competitive	21.6	25.4	26.9	1.8	25.1
Complementary	8.4	8.2	9.4	0	9.4
Trade balance	25.8	26.8	21.0	19.6	1.4
1,000 jobs					
Employment due to exports:					
Total	895	859	871	280	591
Farm	333	292	321	120	201
Employment per billion dollars of exports	16.0	14.2	15.2	12.7	16.7
Percent					
Share of farm workforce	10	8	9	3	6
1,000 jobs					
Nonfarm	562	566	550	160	390
Food processing	84	86	90	0	90
Other manufacturing	71	70	76	20	56
Trade and transportation	200	196	175	67	108
Other services	207	214	209	73	136
Billion dollars					
Domestic equivalent of economic activity generated by competitive imports ²	53.6	62.8	63.9	3.5	60.4
Net business surplus of agricultural trade ³	70.9	68.9	57.1	36.0	21.1

¹Includes the value of processed foods, containers and packaging, trade and transportation, and ancillary services.

²Economic activity that would have resulted had competitive imports been produced domestically.

³Total economic activity generated by agricultural exports less domestic equivalent of economic activity generated by competitive imports less complementary imports.

Source: Calculated by ERS from supporting ERS economic models using data from the Bureau of Economic Analysis, Bureau of Labor Statistics, and Bureau of the Census.

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- The high societal costs of poor eating patterns
- The evolution of dietary recommendations over time & goals for the year 2000
- Trends in consumption and nutrition
- The response of U.S. agriculture to healthier eating patterns

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food choices”***

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Deputy Under Secretary
Research, Education, and
Economics***

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understanding why
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